



Project No: AFC001-023BCA/BCB

Project: Vandenberg AFB Supplemental RI

Client: AFCEE

Location: Site 2

Borehole ID: HGL-2MW-9

Date: 12/2/99

Geologist: Tom Clifton

SUBSURFACE PROFILE					SAMPLE			Remarks
Depth	Symbol	Description	Elevation	ASTM	Recovery	Moisture	PID (ppm)	
1		Sand		SM				Elevations are from top of casing (ft. above msl)
2		Hand augered down to 3.0' : brown, medium coarse sand with clay and gravel						
3			471.8318					
4		Blind Probe		CL				Soil sample collected at 5.0 - 5.5' for analysis
5		Augered down to 4.5'	470.3318					
6		Clay			100%		0.0	
7				CL				Soil sample collected at 10.0 - 10.5' for analysis
8		Blind Probe						
9		Augered down to 9.5'	465.3318					
10		Clay		CL	100%	damp	555.0	Soil sample collected at 10.0 - 10.5' for analysis
11		Dark brown to dark gray clay and laminated mudstone with local clasts, stiff	463.8318					
12								
13		Blind Probe		CL				Soil sample collected at 10.0 - 10.5' for analysis
14		Augered down to 14.5'	460.3318					
15		Mudstone			100%	damp	47.8/148.0	
16		Light gray laminated mudstone, stiff, with large dark gray (as above) clay-filled fractures. Contact between mudstone and clay at 14.6', fracture is 0.5" wide	458.8318	CL				Soil sample collected at 10.0 - 10.5' for analysis
17								
18		Blind Probe						
19		Augered down to 19.5'	455.3318	CL				Soil sample collected at 10.0 - 10.5' for analysis
20		Mudstone			85%	damp	6.2	
21		Light gray to white laminated mudstone with local thin vertical fractures filled with dark gray mud as above	453.8318					
22				CL				Soil sample collected at 10.0 - 10.5' for analysis
23		Blind Probe						
24		Augered down to 24.5'						

Drilled By: West Hazmat

Drill Method: HSA 8"

Drilling Equipment: CME-75

HydroGeoLogic, Inc.
4600 Northgate Blvd., Ste. 207
Sacramento, CA 95834
(916) 614-8770 FAX (916) 614-8775

Hole Size: 8"

Total Depth Drilled: 47'

Sheet: 1 of 2



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25		Mudstone Light gray to white laminated mudstone, vertical to subvertical fractures (0.25" wide) filled with dark gray mud as above	448.8318	CL	80%	damp	0.0	Water at 41.0' bgs
26								
27								
28		Blind Probe Augered down to 29.5'						
29			445.3318					
30		Mudstone Light gray to white laminated mudstone with local iron oxide staining, medium stiff. Fractured chert bed at 30.5'	443.8318	CL	65%	damp	124.0	
31								
32								
33		Blind Probe Augered down to 34.5'						
34			440.3318					
35		Mudstone Light gray laminated mudstone with local iron oxide staining along bedding planes	438.8318	CL	80%	dry-damp	113.0	
36								
37								
38		Blind Probe Augered down to 39.5'						
39			435.3318					
40		Mudstone Light gray laminated mudstone with local dark gray staining along fractures, moist at fractures	433.8318	ML	100%	moist	140.0	Water at 41.0' bgs
41								
42								End of boring 47.0' bgs
43		Blind Probe Augered down to 44.5'						
44			430.3318					
45		Silty Mudstone Grayish brown laminated silty mudstone with abundant iron oxide staining along vertical fractures	428.8318	ML	100%	dry-damp	96.4	
46			427.8318					
47								
48								

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